RRRRRRRRRRRR RRRRRRRRRRR RRRRRRRRRRRRR	MMM MMM MMM	MMM	SSS	SSS	SSSSSS SSSSSS SSSSSS
RRR RRR RRR		MMMMMM SSS MMMMMM SSS MMMMMM SSS MM MMM SSS			
RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR	RRR MMM M MMM MMM MMM MMM	MMM MMM MMM	\$\$\$ \$\$\$	\$\$\$ \$\$\$ \$\$\$	SSS SSS
RRR RRR RRR RRR RRR RRR RRR RRR	MMM MMM MMM MMM	MMM MMM MMM MMM			\$\$\$ \$\$\$ \$\$\$ \$\$\$ \$\$\$
RRR RRR	RRR MMM RRR MMM RRR MMM	MMM SSS MMM SSS	SSS	\$\$\$ \$\$\$ \$\$\$	SSS SSS

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NT NT NT NT NT PI

RRRRRRRR RRRRRRRR RR RR RR RR RR RR RRRRRR	MM MM MMM MMM MMMM MMMM MM MM MM MM MM M	11 111 1111 1111 111 111 111 111 111 1	NN	PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP	\$	NN	
		\$					

RM VO

SYS\$INPUT \$, \$EOD, & \$DECK ROUTINES 16-SEP-1984 00:49:27 VAX/VMS Macro V04-00 RM1INPSCN Table of contents Page 0 DECLARATIONS
RM\$INPUT_SCAN - CHECK SYS\$INPUT FOR \$, \$EOD, OR \$DECK RECORD
DCL_SCAN_SUBROUTINE 109 465

RM

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16-SEP-1984 00:49:27 VAX/VMS Macro V04-00 5-SEP-1984 16:23:26 [RMS.SRC]RM1INPSCN.MAR;1

age (1)

\$BEGIN RM1INPSCN,000, RM\$RMS1, <SYS\$INPUT \$, \$EOD, & \$DECK ROUTINES>

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: Facility: rms32

Abstract:

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489012355567

this module performs end of file checking, as well as \$deck processing for \$get /\$find on sys\$input processing for the sequential file organization.

Environment:

star processor running starlet exec.

Author:

L F Laverdure, creation date: 29-JAN-1978

Modified By:

V03-002 KBT0140 Keith B. Thompson 20-Aug-1982 Reorganize psects

V03-001 KBT0085 Keith B. Thompson 13-Jul-1982 Clean up some of the psect nonsence

V02-006 RAS0017 Ron Schaefer 21-Jul-1981 Change buffer management so it can work with stream files. In particular, this routine only scans the current buffer, the caller must provide an adequate buffer size.

V005 REFORMAT Ken Henderson 30-JUL-1980 6:24 the code was reformatted

Revision History:

RI V

Own Storage:

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Page (3)

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.SBTTL RMSINPUT_SCAN - CHECK SYSSINPUT FOR \$, SEOD, OR SDECK RECORD

RMSINPUT_SCAN

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rm\$input_scan routine to check the current (non-terminal) record for matching the current sys\$input end-of-data scan string. this will be either a single '\$' or some user-defined string. if the record matches a user-defined string, cause this record to be skipped and return a single rms\$_eof error (i.e., do not latch), allowing further reads to access subsequent records.

if matching a single '\$', check if the pio\$v_eod flag is on, specifying that only a match of '\$eod' is to be scanned for. if so, then proceed as for a match of a user-defined string above if the record contains \$eod.

if not matching \$eod, try for a match on \$deck, and if so perform appropriate processing. if the record is not \$deck, (i.e., it is some other record beginning with a '\$'), return rms\$_eof error and do not skip this record so that subsequent \$gets or \$finds by the user will also encounter this eof record.

if the record matches none of the above cases, simply return. the record will be processed normally, that is, it will be gotten or found for the user.

Input Parameters:

impure area addr

r10 ifab addr r9 irab addr rab addr

addr of end of buffer+1 size of record in bytes addr of record in the buffer r6

; Implicit Inputs:

the contents of the various structures. pio\$gt_endstr the current end-of-data scan string pio\$v_eod \$eod flag note: if sys\$input is from a disk file and records are allowed to cross block boundaries, irb\$b_mbc must be greater than 0. otherwise the processing of a record crossing a block boundary will cause rms to loop. it is assumed that rm\$connect1 has forced mbc > 0.

(note: it has already been determined externally to this routine that this is the sys\$input stream, indirectly accessed, on a non-terminal device.

outputs:

destroyed status code

Implicit Outputs:

irb\$l_curbdb may be cleared SYS\$INPUT \$, \$EOD, & \$DECK ROUTINES 16-SEP-1984 00:49:27
RM\$INPUT_SCAN - CHECK SYS\$INPUT FOR \$, \$ 5-SEP-1984 16:23:26 VAX/VMS Macro V04-00 [RMS.SRC]RM1INPSCN.MAR;1 Page (3) irb\$v_find set if record is to be skipped (Seod, user-defined eod, or \$deck)

irb\$v_ppf_eof

set if \$eod or user-defined eod. after record is skipped, flags return of rms\$_eof status. in this case return status from rm\$input_scan is rms\$_suc.

irb\$v_ppf_skip

set if record is \$deck. causes next record to be processed after \$deck record is skipped.
irb\$v_ppf_fndsv saves original state of irb\$v_find when irb\$v_ppf_skip is set completion code: standard rms (suc or eof), except that a special code of hex 10000 will be returned in rO to indicate that record to be matched was not entirely contained within the buffer. in this case the current bdb has been released and the buffer need merely be refilled. Side Effects: matching the eod string resets the eod string to a single '\$'. \$deck may set this to something else.
invalid syntax on '\$' records will cause a hard eof, which will cause the cli to process the offending record.

		SYS\$	INPUT \$. S	SEOD, & SDECK ROUTINES 16-SEP-1984 00: - CHECK SYSSINPUT FOR \$, \$ 5-SEP-1984 16:	:49:27 VAX/VMS Macro VO4-00 Page 6:23:26 [RMS.SRC]RM1INPSCN.MAR;1 (4)	,
			0000 19	RMSINPUT_SCAN::		
			0000 19	Assume entire record is contained in	the buffer.	
	51	DD	0000 19	99	; save the current record offset	
			0002 20 0002 20 0002 20 0002 20	00 :++ 01 : 02 : now try to match against end of data 03 :	string	
53	00000000°9F 52 83 52 56 06 63 61 52	9E 9A B1 1F 29	0002 20 0009 20 0000 20 000F 20 0011 2	MOVAB @#PIOSGT_ENDSTR,R3 MOVZBL (R3)+,R2 CMPW R6,R2 BLSSU SUCXIT CMPC3 R2,(R1),(R3) BEQL EOD_MATCH	<pre>get addr of end of data string get string length is record at least this long? no = no match eod string match? branch if yes</pre>	
			0017 21 0017 21 0017 21 0017 21	; no - simply return		
	02	BA 05	0017 21 001A 21 001C 21	17 SUCXIT: RMSSUC 18 SCNXIT: POPR #^M <r1> 19 SCNRSB: RSB</r1>	; restore record address	

RM1 INPSCN V04-000

#IRB\$V_FIND,(R9),SET_FIND; branch if doing \$get

#IRB\$V_PPF_FNDSV,(R9),SUC_BR; save find bit and branch

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```
SYSSINPUT S, SEDD, & SDECK ROUTINES
                 SYSSINPUT S. SEDD, & SDECK ROUTINES 16-SEP-1984 00:49:27 RMSINPUT_SCAN - CHECK SYSSINPUT FOR $, $ 5-SEP-1984 16:23:26
                                                                                                VAX/VMS Macro VO4-00
[RMS.SRC]RM1INPSCN.MAR;1
                                                                                                                                    Page
                                                                                                                                          (12)
                                         have found $deck /dollars
                                        scan for end-of-data string value indicator ('=' or ':')
                                     GOT_DOLLARS:
                                               DCL_SCAN
                                                                   <:>, EQUAL=GOT_ARG
                                                                                                 ; scan for ':'
                 13
           E5
                                               BEQL
                                                         SETEOD
                                                                                                 ; branch if nothing else in record
                                                                                                 ; scan for '='
                                               DCL_SCAN
                                                                   <=>,EQUAL=GOT_ARG
           A5
                 11
                                               BRB
                                                         SETEOF
                                                                                                 : bad syntax - give eof error
                                        have found $deck /dollars :
                       0A00
0A00
0A00
0A00
0A00
0A00
8A00
                                        scan for end-of-data string value
                                     GOT_ARG:
                                               DCL SCAN
BEQE
                                                                   <"'>,EQUAL=GOT_QUOTE
                                                                                                 : scan for quoted string
           D5
                 13
                                                         SETEOD
                                                                                                 : branch if nothing else
                       00A8
                       3A00
                       8A00
                                        have an unquoted, non-null end-of-data string value described by r0,r1
                                355890123556678
35589012365678
                       8A00
                                        copy characters to end of data string up to first blank, tab or "!",
                                        converting them to upper case.
                       3A00
                       8A00
                      00A8
00AB
00AD
     52
                 DO
                                               MOVL
                                                         #1,R2
                                                                                       ; flag unquoted string value
                                               BRB
                                                         UNQUOTED
                       OOAD
                       00AD
00AD
                                        have found $deck /dollars : "
                       00AD
00AD
                                        scan for closing quote, moving characters to end of data string. process such that successive double quotes cause a single double quote
                       OOAD
                                         to be entered into the end of data string.
                       00AD
00AD
00AD
00AD
00AF
00AF
00B1
00B8
                                     GOT_QUOTE:
           52
                                               CLRL
                                                         R2
                                                                                       ; flag quoted string
                 04
                                     UNQUOTED:
                  04
                                               CLRL
00000000 9F
                                                                                         build string count here
                                               MOVAB
                                                         a#PIOSGT_ENDSTR,R4
                                                                                         addr of eod string length
                                380
                                                                                         addr of eod string text
                                                         1(R4),R3
                                               MOVAB
```

			SYS\$	INPUT S	S SEC	DD & SE	ECK ROUT	N 15 INES 16-SEP-1984 00: FOR \$, \$ 5-SEP-1984 16:	49:27 VAX/VMS Macro V04-00 23:26 [RMS.SRC]RM1]NPSCN.MAR;1
	83	03 81 50 40	11 90 19 19 13 13	00BC 00BE 00C1 00C3 00C5 00CB	381 383 383	10\$: 20\$:	BRB MOVB DECL BLSS BLBS CMPB	20\$ (R1)+,(R3)+ R0 60\$ R2,45\$ (R1),#^A/"/	go process characters copy char to eod string
	22 ¹⁰	52 61 32 0F	91 13 F3		385 386 387 388 389	30\$:	CMPB BEQL AOBLEQ	202	branch if not branch if unquoted string matching quote? branch if yes count char. and branch if ok
				0001 0001 0001 0001 0001 0001	390 391 392 393	exce	eeded max	character count. reset	eod match string to single '\$'.
01	A4 F	24 F6D	90 31	כטטט	394 395 396 397 398 399	40\$:	MOVB BRW	#^A/\$/,1(R4) SETEOF	restore match string go give error
				0008 0008 0008 0008 0008 0008 0008 000	401	unqu	oted str	ing	
				8000 8000	402 403 404 405	move	charact	er to e-o-d string unless to upper case.	it's blank, tab, or "!"
				8000	406				
	20	61	91	00D8	408	455:	CMPB	(R1),#^A/ /	: space?
	09	61	91	0000	409 410 411		CMPB	(R1),#TAB	<pre>; branch if yes ; tab?</pre>
	21	28 61	91 13 91 13 91	00E0 00E2	411		BEQL CMPB BEQL CMPB BEQL	(R1),#^A/ / 555 (R1),#TAB 555 (R1),#^A/!/	branch if yes
61	8F	61 20 61 28 61 23	13	00E5 00E7	412 413 414		BEQL	(R1) . #LOWERCASE_A	branch if yes lower case char?
	8F	E0 61 DA	1 F 91	OOEB	415		BLSSU CMPB	30\$ (R1) . #LOWERCASE_Z	branch if not well, is it?
		DA	1A	00F1	417		BGTRU	30\$; branch if not
83	55 81	OF D8 20 C2	F3 11 83 11	00F3 00F7 00F9 00FD	418 419 420 421	48\$:	AOBLEQ BRB SUBB3 BRB	WEODSTR_MAXLEN,R5,48\$ 40\$ WLOWERCASE_A-^A/A/,(R1)+ 20\$; count char. & branch if ok ; go process eod length error ,(R3)+; convert to upper case ; go get next char.

Page 11 (12)

			OOFF OOFF OOFF OOFF	427 :		*	ter while processing quoted string quote and include only one if found
22	50 0E 51 61 C3	D7 19 06 91 13	00FF 00FF 0101 0103 0105 0108	432 50\$: 433 434 435 436	DECL BLSS INCL CMPB BEQL	R0 60\$ R1 (R1),#^A/"/ 30\$	any more characters? branch if not point to next char is it another "? branch if yes
			0103 0105 0108 010A 010A 010A 010A 010A 010A 010A		·	•	e, but remaining string is non-null. other than blanks, tabs, or comment.
	0077 CO	06 30 12	010A 010C 010F 0111 0111	448 449 450 :++	INCL BSBW BNEQ	RO BLNK_SKIP 40\$: restore character count : skip blanks and tabs : branch if other than comment
			0111 0111 0111	452 : end		string set up o h and go skip re	
64	55 03 FF65 55 FF66	95 12 31 90 31	0111 0111 0111 0111 0113 0115 0118 011B	454 sto 455 457 458 60\$: 459 460 461 70\$: 462 463	TSTB BNEQ BRW MOVB BRW	R5 70\$ SETEOD R5 (R4) SET_SKIP	; any chars processed? ; branch if none ; store count ; go skip record

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508 509 510

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516 517

```
.SBTTL DCL_SCAN SUBROUTINE
```

dcl_scan subroutine to scan for next token and compare it to one being searched for. case is not significant for the compare. any initial blanks or tabs are skipped over.

if the strings match, the return is made to the address specified in the "equal" input argument, otherwise return is made in line.
note that the dcl_scan macro is used to set up the in-line argument list

in the case of strings other than length 1, any characters following the matched characters and before the next terminator are considered to be part of the token and are also skipped in setting the remaining string descriptor, as are any trailing blanks or tabs.

inputs:

r0 remaining string length
r1 remaining string start address
(sp) counted, upper-case string to match
(sp)+count branch byte offset for equal compare

outputs:

r0 length of remaining string (past token and possible trailing blanks if matched)
r1 address of remaining string r2-r5,ap destroyed

notes:

- 1. if no match, r0 % r1 will be updated to point past any initial spaces and or tabs
- 2. r0 will be set to 0 on return if no string or only a comment remains 3. z-bit will be set based on r0

09 2F 3A 3D 21 20 011E 505 TRMLST: .ASCII \ !=:/\<TAB>
00000006 0124 506 TLSTSZ=.-TRMLST

DCL_SCAN:

MOVL (SP), R5

; get addr of counted ascii

match string

MOVZBL (R5)+,R4

; get length of string

(r5 now points to string)

ADDL2 R4, (SP)

; bump return address ...

RM11NPSCN V04-000		SYSSINPUT S, SEOD, & SDECK ROUTINES DCL_SCAN SUBROUTINE				16-SEP-1984 5-SEP-1984	00:49:27 16:23:26	VAX/VMS M [RMS.SRC]	
	6E	06	012D 012F 012F	522 523 524 :**	INCL	(SP)		;	to point p

			SYSS	INPUT S	S, SEOD, & SD UBROUTINE	ECK ROUT	INES 16-SEP-1984 5-SEP-1984	00:49:27	VAX/VMS Macro V04-60 [RMS.SRC]RM1INPSCN.MAR;1
		6E	06	012D 012F 012F 012F	522 523 524 ***	INCL	(SP)	* ***	to point past ascii string
				012F 012F 012F 012F	526 skip 527 528 529	initial	spaces and tabs		
		55 4E	10	012F 0131 0133 0133	530 531 532 533 ;++	BSBB BEQL	BLNK_SKIP NULL_STRING	; skip ; bran	tabs and blanks ich if nothing left
				0133 0133 0133 0133 0133 0133	534 535 the 536 with 537	tab, sp	lesribed by r0, r1 is lace, or '!'		to length and does not begin and by r4 % r5)
	52 50	50 54 43	7D C2 19 DD 90	0133 0133 0136 0139 013B 013D	542 543 544	MOVQ SUBL2 BLSS	RO,RZ R4,RO NOMATCH	; save ; at l ; bran	remaining len and addr east match count long? ach if not
61	5 C 8 F	554341C9C30C84	90 91 1F	013B 013D 0140 0144	545 546 10\$: 547 548	PUSHL MOVB CMPB BLSSU	R4 (R1)+,AP AP,#LÓWERCASE_A 20\$; save ; get : lowe : bran	e match string count next byte er case? ach if not
7A	8f	5 C 03	91	0146 014A	548 549 550	CMPB BGTRU	AP. #LOWERCASE_Z	; well	., is it? ach if not
	5C 85 E6	50 50 28 54	1A 82 91 12 F5	014C 014F 0152 0154	551 552 20\$: 553 554	SUBB2 CMPB RNEQ SOBGTR	#LOWERCASE_A - <^A/A AP,(R5)+ UNEQUAL R4,10\$	match; match; bran	

```
556
557
558
5560
563
                                            strings are equal
                                            if match count is not = 1, scan to end of token and then to start of next token
                                            (end of token is indicated by space, tab, !, /, =, or :)
                                   564
565
566
567
568
569
570
                                            in any case, take the "equal=" exit
                                                            (SP)+
                      D7
13
7D
11
                                                  DECL
                                                                                            was match count = 1?
                                                  BEQL
                                                            60$
                                                                                            branch if yes
          52
                                                            RO,R2
                                                  MOVQ
                                                                                            save remaining descriptor
                                                  BRB
                                                            40$
B9 AF
          06
                      3A
12
F4
D6
77
D1
98
C1
                                        305:
                                                            (R3)+, #TLSTSZ, TRMLST
                                                                                            is character a delimiter?
branch if yes
                                                  LOCC
                                                            508
                                                  BNEQ
                           0167
                                                            R2,30$
                                                  SOBGEQ
                                                                                            loop if more characters
                                        505:
                           016A
                                                  INCL
                                                                                            don't count terminator
                                   577
                           0160
                                                  DECL
                                                                                            or point past it
                                    578
          50
                                                            R2.RO
                                                  MOVQ
                                                                                            descriptor to right regs
                                                            BLNK SKIP
a(SP), R2
                                                                                           go skip tabs and blanks
pick up "equal" branch offset
add in offset to return pc
                                                  BSBB
                BE 52 07
                                                  CVTBL
                                   581
582
583
584 :++
                                                            R2, (SP)
                                                  ADDL2
                                                  BRB
                                                            SCAN_XIT
                                            the input string didn't contain the match string
                                           leave r0,r1 describing any remaining string and take in-line (non-equal) return
                                    589
                                   590
                                   591
                                        UNEQUAL:
                BE
                      D5
                                                  TSTL
                                                            (SP)+
                                                                                          : pop saved match count
                                   594
                                        NOMATCH:
                                   595
                52
          50
                                                  MOVO
                                                            R2.RO
                                                                                          : restore save descriptor
                                   596
597
598
                                        NULL_STRING:
                                                                                         ; skip past "equal" return offset
                6E
                      06
                                                            (SP)
                                                  INCL
                                        SCAN_XIT:
                                   599
600
                      05
                50
                                                  TSTL
                                                            RO
                                                                                         ; set z bit according to r0
                                                  RSB
```

```
blnk_skip subroutine to skip past blanks and tabs, up to possible comment or end of input string
                                                                                                                                                                           inputs:
                                                                                                                                                                                                     r0
r1
                                                                                                                                                                                                                                                input string length input string address
                                                                                                                                                                           outputs:
                                                                                                                                                                                                      rO
                                                                                                                                                                                                                                                remaining string length after blanks and tabs skipped (if only a comment left, r0 will be set to zero)
                                                                                                                                                                                                      r1
                                                                                                                                                                                                                                                remaining string address
                                                                                                                                                                                                      z-bit
                                                                                                                                                                                                                                               set if no more input (other than comment), else clear
                                                                                                                                                           BLNK_SKIP:
10$: SKPC
61
                                                                                                                                                                                                                                               #^A/ /,RO,(R1)
30$
                                                                              3B3 912 D611912 D65
                                                    2010906551
60551
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6
                                                                                                                                                                                                                                                                                                                                                                                     skip spaces
branch if nothing but spaces
                                                                                                                                                                                                       BEQL
                                                                                                                                                                                                                                              #TAB, (R1)
20$
R0
R1
10$
                          61
                                                                                                                                                                                                       CMPB
                                                                                                                                                                                                                                                                                                                                                                                     is char tab?
branch if not (done)
                                                                                                                                                                                                       BNEQ
                                                                                                                                                                                                      DECL
                                                                                                                                                                                                                                                                                                                                                                                     yes - decrement count
                                                                                                                                                                                                                                                                                                                                                                                     skip tab
                                                                                                                                                                                                      BRB
                                                                                                                                                                                                                                                                                                                                                                                     and continue skipping
                         61
                                                                                                                                                           20$:
                                                                                                                                                                                                      CMPB
                                                                                                                                                                                                                                                #^A/!/,(R1)
30$
                                                                                                                                                                                                                                                                                                                                                                                     do we have a comment?
branch if not
                                                                                                                                                                                                      BNEQ
                                                                                                                                                                                                                                                                                                                                                                            ; yes - say end of input
; return with z-bit set if no
                                                                                                                                                                                                      CLRL
                                                                                                                                                           305:
                                                                                                                                                                                                      RSB
                                                                                                                                                                     more input
```

.END

```
SYSSINPUT S, SEOD, & SDECK ROUTINES
                                                                                                               16-SEP-1984 00:49:27 VAX/VMS Macro V04-00 5-SEP-1984 16:23:26 [RMS.SRC]RM1INPSCN.MA
RM1 INPSCN
                                                                                                                                                                                           Page
                                                                                                                                                                                                   (19)
Symbol table
                                                                                                                                                [RMS.SRC]RM1INPSCN.MAR:1
                                               = 00000000
= 0000001A
= 00000010
$$.PSECT_EP
$$RMSTEST
$$RMS_PBUGCHK
$$RMS_TBUGCHK
$$RMS_UMODE
BLNK_$KIP
DCL_$CAN
END_OF_DATA
END_OF_DATA1
EODT
                                               = 00000008
                                               = 00000004
                                                  00000186 R
00000124 R
00000051 R
                                                                         01
01
01
01
                                                  0000005C R
00000067 R
EODSTR_MAXLEN
                                               = 0000000F
EODSTR MAXLE
EOD_MATCH
GOT_ARG
GOT_DECK
GOT_DOLLARS
GOT_QUOTE
                                                                         01
01
01
01
                                                  0000001D R
                                                  000000A0 R
00000071 R
                                                  00000090 R
                                                  000000AD R
IRB$L_NRP_VBN
IRB$L_RP_VBN
IRB$V_FIND
IRB$V_PPF_EOF
IRB$V_PPF_FNDSV
IRB$V_PPF_SKIP
LOWERCASE_A
                                               = 00000040
                                               = 00000048
                                               = 00000029
                                               = 0000002E
                                               = 00000030
                                               = 0000002F
                                               = 00000061
LOWERCASE_Z
                                               = 0000007A
                                                  0000017E R
00000181 R
NOMATCH
NULL STRING
PIOSGT_ENDSTR
PIOSGW_STATUS
PIOSV_EOD
                                                                         01
                                                                         01
                                                  ******
                                                  *******
                                                                         01
                                               = 00000001
RMSINPUT_SCAN
                                                  00000000 RG
                                                                         01
                                               = 0001827A
00000183 R
RMS$_EOF
SCAN_XIT
                                                  0000001C R
                                                                         01
01
01
01
01
01
01
SCNRSB
SCNXIT
                                                  0000001A R
                                                  0000007D R
00000045 R
SETEOD
SETEOF
SET_FIND
SET_SKIP
SUCRIT
                                                  0000006B R
                                                  00000084 R
00000017 R
SUC_BR
                                                   0000006F R
                                               = 00000009
TAB
TLSTSZ
                                               = 00000006
                                                  0000011E R
0000017C R
TRMLST
                                                                         01
                                                                         01
01
UNEQUAL
                                                   000000AF R
UNQUOTED
                                                                            Psect synopsis
                                                                               PSECT No.
PSECT name
                                                 Allocation
                                                                                                Attributes
-----
                                                 -----
                                                                                        0.)
1.)
2.)
                                                                    415.)
     ABS
                                                 00000000
                                                                               00 (
                                                                                                            USR
                                                                                                                     CON
                                                                                                                              ABS
                                                                                                                                       LCL NOSHR NOEXE NORD
                                                                                                                                                                        NOWRT NOVEC BYTE
                                                                               01 (
                                                                                                                                                         EXE
                                                                                                            USR
                                                                                                                                                                        NOWRT NOVEC BYTE
 RM$RMS1
                                                 0000019F
                                                                                                   PIC
                                                                                                                     CON
                                                                                                                              REL
                                                                                                                                       GBL NOSHR
                                                                                                                                                                  RD
                                                 00000000
                                                                        0.)
                                                                                                            USR
                                                                                                                     CON
                                                                                                                              ABS
                                                                                                                                       LCL NOSHR
                                                                                                                                                                  RD
                                                                                                                                                                            WRT NOVEC BYTE
SABS$
```

Performance indicators

	Dhana	Dana Anulas	CDU Tine	floored Ties
1	Phase	Page faults	CPU Time	Elapsed Time
1				
1	Initialization	35	00:00:00.09	00:00:00.93
1	Command processing	132	00:00:00.70	00:00:05.80
1	Page 1	271	00:00:07 54	00.00.22.25
ì	Suphal table seat	210	00.00.00.07	00.00.03.07
١	Symbol table sort	122	00:00:00.93	00:00:02.03
1	1033 6	122	00:00:02.08	00:00:08.15
1	Symbol table output	7	00:00:00.06	00:00:00.55
1	Psect synopsis output	2	00:00:00.02	00:00:00.02
-	Cross-reference output	ō	00.00.00.00	00.00.00.00
1	According to the totals	571	00.00.11.73	00.00.30.74
1	wasempler Lau forara	2/1	00:00:11.42	00:00:37.74

The working set limit was 1200 pages.
42967 bytes (84 pages) of virtual memory were used to buffer the intermediate code.
There were 40 pages of symbol table space allocated to hold 747 non-local and 28 local symbols.
640 source lines were read in Pass 1, producing 14 object records in Pass 2.
20 pages of virtual memory were used to define 19 macros.

Macro library statistics !

Macro library name	Macros defined
_\$255\$DUA28:[RMS.OBJ]RMS.MLB;1	10
_\$255\$DUA28:[SYS.OBJ]LIB.MLB;1	0
S255\$DUA28:[SYSLIB]STARLET.MLB:2	4
_\$255\$DUA28:[RMS.OBJ]RMS.MLB;1 _\$255\$DUA28:[SYS.OBJ]LIB.MLB;1 _\$255\$DUA28:[SYSLIB]STARLET.MLB;2 TOTALS (all libraries)	14

832 GETS were required to define 14 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS\$:RM1INPSCN/OBJ=OBJ\$:RM1INPSCN MSRC\$:RM1INPSCN/UPDATE=(ENH\$:RM1INPSCN)+EXECML\$/LIB+LIB\$:RMS/LIB

AH-BT13A-SE CORPORATION V4.0 VAX/VMS PROPRIETARY CONFIDENT AND E E DEST Ham. I B. Barrell J 1 22 La Miller Street IF BOX EAS THE MANAGEMENT OF THE PARTY \$ 8 - 1250-1 - 1250-1 - 1250-12.5% Biotopicos Eleman Pierra Strain St Z William En 100 Maria IF IE 4 Party District NO. Wifefree State Control of the Contro TES SERVICES PMS reser

Ens. I H III

11 10 8% 11 18 8% 11 18 18

TE &